

WEST Search History

DATE: Tuesday, May 31, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L32	L31 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L31	L30 and ((after or following or post) with (data or echo or signal)with (acquir\$4 or post or acquisition\$4))	46
<input type="checkbox"/>	L30	l26 and ((amplitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	84
<input type="checkbox"/>	L29	L28 and ((after or following or post) with (acquir\$4 or post or acquisition\$4))	26
<input type="checkbox"/>	L28	L27 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or echo or signal or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	40
<input type="checkbox"/>	L27	L26 and ((without or "no" or "off" or "non") with (phase with encod\$4))	45
<input type="checkbox"/>	L26	L25 and (phase with encod\$4)	104
<input type="checkbox"/>	L25	L24 and (fse or fast or (spin with echo) or EPI or flash)	393
<input type="checkbox"/>	L24	L23 and ((acquir\$4 or post or acquisition\$4) with (data or echo or signal))	568
<input type="checkbox"/>	L23	L22 and (acquir\$4 or post or acquisition\$4)	791
<input type="checkbox"/>	L22	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	1013
<input type="checkbox"/>	L21	(5451876 or 4999581 or 4857846)	54
<input type="checkbox"/>	L20	L18 and ((combin\$3 or "multi" or coil) with (image or reconstruct\$4))	12
<input type="checkbox"/>	L19	L18 and ((combin\$3 or (multi with coil)) with (image or reconstruct\$4))	9
<input type="checkbox"/>	L18	L17 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L17	L16 and ((phased or phase) with (array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	36
<input type="checkbox"/>	L16	L15 and (gradient)	69
<input type="checkbox"/>	L15	L14 and (phase with encod\$4)	75
<input type="checkbox"/>	L14	L13 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	384
<input type="checkbox"/>	L13	L12 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	720

<input type="checkbox"/>	L12	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2347
<input type="checkbox"/>	L11	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2347
<input type="checkbox"/>	L10	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3) with (amplitude or magnitude or peak))	2256
<input type="checkbox"/>	L9	L8 and (correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3)	5820
<input type="checkbox"/>	L8	L6 and ((receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	5895
<input type="checkbox"/>	L7	L6 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	1765
<input type="checkbox"/>	L6	L5 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	10683
<input type="checkbox"/>	L5	L4 and (array or plurality or multi or multiple or "more than one" or dual or "at least two")	30898
<input type="checkbox"/>	L4	L3 and (receiv\$3 or detect\$3 or sens\$3 or reception)	41087
<input type="checkbox"/>	L3	L2 and (independent\$2 or individual\$2 or separat\$2)	55087
<input type="checkbox"/>	L2	L1 and (amplitude or magnitude or peak)	63045
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	203880

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 19 of 19 returned.

☐ 1. Document ID: US 20050001616 A1

L32: Entry 1 of 19

File: PGPB

Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050001616
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050001616 A1

TITLE: Diffusion weighted multiple spin echo (rare) sequence with periodically amplitude-modulated crusher gradients

PUBLICATION-DATE: January 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jenniskens, Hans Gerard	Eindhoven		NL	
Van Yperen, Gerrit Hendrik	Eindhoven		NL	
Groen, Johannes Petrus	Eindhoven		NL	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Foot	Draw D.
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☐ 2. Document ID: US 20040077090 A1

L32: Entry 2 of 19

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077090
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040077090 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting genome, combining mutations, and optionally repeating

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	

US-CL-CURRENT: 435/471; 435/252.3, 435/254.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Draw	Draw
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☐ 3. Document ID: US 20040044280 A1

L32: Entry 3 of 19

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040044280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040044280 A1

TITLE: Methods & apparatus for magnetic resonance imaging

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	Keighly		GB	
Lee, Kuan	Sheffield		GB	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Draw	Draw
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☐ 4. Document ID: US 20030216636 A1

L32: Entry 4 of 19

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030216636

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030216636 A1

TITLE: Methods and apparatus for magnetic resonance imaging

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	West Yorkshire		GB	
Lee, Kuan	South Yorkshire		GB	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Draw	Draw
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☐ 5. Document ID: US 20030052677 A1

L32: Entry 5 of 19

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052677

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030052677 A1

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pines, Alexander	Berkeley	CA	US	
Meriles, Carlos A.	El Cerrito	CA	US	
Heise, Henrike	Goettingen	CA	DE	
Sakellariou, Dimitrios	Oakland	CA	US	
Moule, Adam	Berkeley		US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Key	Draw
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☐ 6. Document ID: US 20020167315 A1

L32: Entry 6 of 19

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020167315
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020167315 A1

TITLE: Ghost artifact cancellation using phased array processing

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kellman, Peter	Bethesda	MD	US	
McVeigh, Elliot R.	Phoenix	MD	US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Key	Draw
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☐ 7. Document ID: US 6882150 B2

L32: Entry 7 of 19

File: USPT

Apr 19, 2005

US-PAT-NO: 6882150
DOCUMENT-IDENTIFIER: US 6882150 B2

TITLE: Diffusion weighted multiple spin echo (rare) sequence with periodically amplitude-modulated crusher gradients

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jenniskens; Hans Gerard	Eindhoven			NL
Van Yperen; Gerrit Hendrik	Eindhoven			NL
Groen; Johannes Petrus	Eindhoven			NL

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 8. Document ID: US 6771067 B2

L32: Entry 8 of 19

File: USPT

Aug 3, 2004

US-PAT-NO: 6771067

DOCUMENT-IDENTIFIER: US 6771067 B2

TITLE: Ghost artifact cancellation using phased array processing

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kellman; Peter	Bethesda	MD		
McVeigh; Elliot	Phoenix	MD		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 9. Document ID: US 6674282 B2

L32: Entry 9 of 19

File: USPT

Jan 6, 2004

US-PAT-NO: 6674282

DOCUMENT-IDENTIFIER: US 6674282 B2

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pines; Alexander	Berkeley	CA		
Meriles; Carlos A.	El Cerrito	CA		
Heise; Henrike	Goettingen			DE
Sakellariou; Dimitrios	Oakland	CA		

Moule; Adam

Berkeley

CA

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 10. Document ID: US 6586935 B1

L32: Entry 10 of 19

File: USPT

Jul 1, 2003

US-PAT-NO: 6586935

DOCUMENT-IDENTIFIER: US 6586935 B1

TITLE: Magnetic resonance image artifact correction using navigator echo information

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Hinks; Richard Scott	Waukesha	WI		
King; Kevin F.	New Berlin	WI		
McKinnon; Graeme C.	Hartland	WI		

US-CL-CURRENT: 324/312; 324/307, 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 11. Document ID: US 6535754 B2

L32: Entry 11 of 19

File: USPT

Mar 18, 2003

US-PAT-NO: 6535754

DOCUMENT-IDENTIFIER: US 6535754 B2

TITLE: Lever coil sensor for respiratory and cardiac motion

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fishbein; Kenneth W.	Cockeysville	MD		
Spencer; Richard G. S.	Baltimore	MD		
McConville; Patrick	Perry Hall	MD		

US-CL-CURRENT: 600/422; 600/411, 600/413, 600/414

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 12. Document ID: US 6323646 B1

L32: Entry 12 of 19

File: USPT

Nov 27, 2001

US-PAT-NO: 6323646

DOCUMENT-IDENTIFIER: US 6323646 B1

TITLE: Method and apparatus for producing diffusion weighted MR images

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Houston	TX		
Maier; Joseph K.	Milwaukee	WI		
Huff; Steven J.	Hartland	WI		
Reynolds; Hammond Glenn	Milwaukee	WI		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	USPT
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☐ 13. Document ID: US 6239599 B1

L32: Entry 13 of 19

File: USPT

May 29, 2001

US-PAT-NO: 6239599

DOCUMENT-IDENTIFIER: US 6239599 B1

TITLE: Method and apparatus for identifying errors in magnetic resonance imaging examinations

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Houston	TX		
Maier; Joseph K.	Milwaukee	WI		
Huff; Steven J.	Hartland	WI		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	USPT
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☐ 14. Document ID: US 5833609 A

L32: Entry 14 of 19

File: USPT

Nov 10, 1998

US-PAT-NO: 5833609

DOCUMENT-IDENTIFIER: US 5833609 A

TITLE: Rotating diffusion MR imaging reduced motion artifacts

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dannels; Wayne R.	Richmond Heights	OH		
Xu; Yansun	Willoughby Hills	OH		
Liu; Haiying	Minneapolis	MN		

US-CL-CURRENT: 600/410; 324/306, 324/309, 600/419

Full	Title	Abstract	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 15. Document ID: US RE35656 E

L32: Entry 15 of 19

File: USPT

Nov 11, 1997

US-PAT-NO: RE35656

DOCUMENT-IDENTIFIER: US RE35656 E

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (GRASE) imaging

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	New York	NY		
Oshio; Koichi	Brookline	MA		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Abstract	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 16. Document ID: US 5621321 A

L32: Entry 16 of 19

File: USPT

Apr 15, 1997

US-PAT-NO: 5621321

DOCUMENT-IDENTIFIER: US 5621321 A

TITLE: Magnetic resonance scan calibration method for ultra-fast image acquisition

DATE-ISSUED: April 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Liu; Haiying	Euclid	OH
Gullapalli; Rao P.	Richmond Heights	OH
Loncar; Mark J.	Richmond Heights	OH
DeMeester; Gordon D.	Wickliffe	OH

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 17. Document ID: US 5363042 A

L32: Entry 17 of 19

File: USPT

Nov 8, 1994

US-PAT-NO: 5363042

DOCUMENT-IDENTIFIER: US 5363042 A

TITLE: Methods for measurement of longitudinal spin relaxation times in moving liquids

DATE-ISSUED: November 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles L.	Ballston Lake	NY		

US-CL-CURRENT: 324/306; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 18. Document ID: US 5270654 A

L32: Entry 18 of 19

File: USPT

Dec 14, 1993

US-PAT-NO: 5270654

DOCUMENT-IDENTIFIER: US 5270654 A

**** See image for Certificate of Correction ****

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (grase) imaging

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	Berkeley	CA	94708	
Oshio; Koichi	Brookline	MA	02146	

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 19. Document ID: US 4999581 A

L32: Entry 19 of 19

File: USPT

Mar 12, 1991

US-PAT-NO: 4999581

DOCUMENT-IDENTIFIER: US 4999581 A

TITLE: Magnetic resonance imaging system

DATE-ISSUED: March 12, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Satoh; Kozo	Yokohama			JP

US-CL-CURRENT: 324/309; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw
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Term	Documents
WITHOUT	6816534
WITHOUTS	24
NO	7723289
NOES	1094
NOS	720862
NOE	8367
OFF	3406748
OFFS	26845
NON	4067741
NONS	478
PHASE	1881773
(L31 AND ((WITHOUT OR "NO" OR "OFF" OR "NON") WITH (PHASE WITH ENCOD\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	19

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